

# LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



*For the Technical Direction of the LTPP Program*



**Program Area:** IMS **Directive Number:** I-52  
**Date:** May 19, 1998 **Supersedes:** N/A  
**Subject:** Deletion and Re-filtering of Automated Weather Station Data

This directive transmits instructions to the Regional Coordination Office Contractors for deletion and re-filtering of Automated Weather Station (AWS) data into the Information Management System (IMS). This action is required to replace defective records in the AWS tables caused by an error in the previous version of the AWS filter program.

The corrected filter program was distributed with the IMS NT version 1.7 release, and the necessary SQL scripts will be provided to you.

The following steps should be performed to correct the existing AWS data in the IMS. This process is only for replacement of existing data files. Any AWS data which have not been previously loaded into the IMS should not be loaded until after completion of these steps.

1. Information needed for data tracking purposes, such as Tracker, maybe extracted prior to deleting existing records. This step is optional depending upon RCOC data tracking practice.
2. Run SQL script **aws\_data.sql** to create the list file **aws\_data.lis** which contains key fields for all records in the existing **AWS\_\*** tables.
3. Rename **aws\_data.lis** to **aws\_data.old**. This file will be used to compare against the similar list file generated at the conclusion of this process to verify that all deleted records have been regenerated.
4. Run SQL script **aws\_rept.sql** to generate the list file **aws\_rept.lis**, which contains the day count for AWS data coverage for each STATE\_CODE, SHRP\_ID combination in the IMS table **AWS\_DAILY\_DATA**. (This information can be also be used in the file regeneration verification and possibly to estimate the number of months of AWS coverage required for the data status reports.)
5. Run SQL script **trnc\_aws.sql**, which will truncate (delete) all records in the **AWS\_\*** tables.

6. Reload the AWS upload files, using the filter program contained in IMS NT version 1.7, corresponding to the records that were truncated in the previous step. The AWS upload files can be identified using the information contained in the **aws\_data.old** list file. **Do not load any new AWS data until after verification that the deleted AWS data have been restored.**
7. Run SQL script **aws\_data.sql** to generate the list file **aws\_data.lis**, which contains the key fields from the new records created in the **AWS\_\*** tables for the re-filtered data.
8. Verify correct replacement of the deleted AWS data by comparing the entries in the **aws\_data.old** and **aws\_data.lis** files. (The Compare File function in word processing programs can be a convenient method to perform this comparison.) Resolve any discrepancies in the IMS records corresponding to mismatches between these files.
9. Run the QC programs on the re-loaded AWS data following standard IMS practice.

Each step described in this directive should be performed only after successful completion of the previous step. Questions regarding this directive should be submitted on IMS-SPR forms to FHWA Pavement Performance Division with a copy to the LTPP Technical Support Service Contractor.

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